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DATE MAILED: 05/05/2004

APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKĘT NO.	CONFIRMATION NO.
09/496,794	09/496,794 02/02/2000		John T. Moore	MICT-0005-D1-US	6700
7590 05/05/2004			EXAMINER		
Trop Pruner & 8554 Katy Free			OWENS, DOUGLAS W		
Suite 100	··· y			ART UNIT	PAPER NUMBER
Houston, TX	77024		2811		

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary			cation No.	Applicant(s)					
			6,794	MOORE ET AL.					
			iner	Art Unit					
			as W Owens	2811					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
THE M - Extens after S - If the p - If NO p - Failure Any re	RTENED STATUTORY PERIOD FOR AILING DATE OF THIS COMMUNICATION of time may be available under the provisions of 3 IX (6) MONTHS from the mailing date of this communication of the reply specified above is less than thirty (30) depend for reply is specified above, the maximum statute to reply within the set or extended period for reply will, ply received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In ration. ays, a reply within the ry period will apply a by statute, cause the	to event, however, may a reply be tire statutory minimum of thirty (30) day nd will expire SIX (6) MONTHS from a application to become ABANDONE	nely filed rs will be considered timely the mailing date of this or D (35 U.S.C. § 133).	y. ommunication.				
Status									
1)⊠ F	Responsive to communication(s) filed o	n 29 May 200	3 .						
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3) 🗌 💲									
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositio	on of Claims								
5)□ (6)⊠ (7)□ (Claim(s) 26-30 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 26-30 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement. 								
Application	n Papers								
10)□ T	The specification is objected to by the E The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the The oath or declaration is objected to by	accepted on to the drawing correction is re	(s) be held in abeyance. Se quired if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CI					
Priority ur	nder 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice 3) Inform	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO ation Disclosure Statement(s) (PTO-1449 or PT No(s)/Mail Date		4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal R 6) Other:	ate	O-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 26 30 are rejected under 35 U.S.C. 102(b) as being anticipated by US patent No. 5,763,932 to Pan et al.
- 3. Regarding claim 26, Pan et al. teaches a semiconductor structure (Figs. 9 14, for example) comprising:

a support (42);

a first material (44) on the support, the first material having a first etch rate;

a trench (54) formed through the first material and into the support; and

a trench filler material (72) deposited in the trench, the trench filler material having an etch rate substantially similar to the first etch rate (Col. 4, lines 17 – 24; Col. 5, lines 46 – 48, both oxides are TEOS, so they would have the same etch rate).

Regarding claim 27, Pan et al. teaches a semiconductor structure, wherein the first material includes silicon dioxide deposited from tetraethyorthosilicate.

Regarding claim 28, Pan et al. teaches a semiconductor structure, wherein the first material includes silicon dioxide deposited by chemical vapor deposition (Col. 4, lines 25 – 28).

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Regarding claim 29, Pan et al. teaches a semiconductor structure, wherein the first material includes silicon dioxide deposited from tetraethyorthosilicate.

Regarding claim 30, Pan et al. teaches a semiconductor structure, wherein the first material includes silicon dioxide deposited by chemical vapor deposition (Col. 5, lines 45-48).

Response to Arguments

4. Applicant's arguments with respect to claims 26 – 30 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas W Owens whose telephone number is 571-272-1662. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct_uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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